



# SPYWOLF

## Security Audit Report



Completed on  
**April 29, 2023**



# OVERVIEW

This audit has been prepared for **LOTSO INU** to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

*The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal*

- SPYWOLF Team -

”





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# LOTSO INU



## PROJECT DESCRIPTION

### **According to their website:**

"The LOTSO INU project is more than just a digital currency - it's a community of people who share a love for the adorable teddy bear from Toy Story.

With LOTSO INU, we're creating a digital currency that celebrates the spirit of community and connection that LOTSO represents.

LOTSO INU | \$LOTSO is on its way to creating a trend in the field of Meme coins. We believe that LOTSO will be the leader in this competitive meme game. What sets us apart from other digital currencies is our focus on community."

**Release Date:** Presale starts in April, 2023

**Category:** Meme token



# CONTRACT INFO

Token Name  
LOTSO INU

Symbol  
LOTSO

Contract Address  
0xcf9e779FEFb768c56832f4986102A96080e07213

Network  
Binance Smart Chain

Language  
Solidity

Deployment Date  
Apr 27, 2023

Verified?  
Yes

Total Supply  
1,000,000,000

Status  
Not launched

## TAXES

Buy Tax  
**9%**

Sell Tax  
**9%**

\*Taxes can be changed in future



## Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

### Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



# TOKEN TRANSFERS STATS

Transfer Count	1
Uniq Senders	1
Uniq Receivers	1
Total Amount	1000000000 LOTSO
Median Transfer Amount	1000000000 LOTSO
Average Transfer Amount	1000000000 LOTSO
First transfer date	2023-04-27
Last transfer date	2023-04-27
Days token transferred	1

# SMART CONTRACT STATS

Calls Count	1
External calls	1
Internal calls	0
Transactions count	1
Uniq Callers	1
Days contract called	1
Last transaction time	Apr-27-2023 03:24:29 PM +UTC
Created	Apr-27-2023 03:24:29 PM +UTC
Create TX	0x17ef313a0f7c27566f2d5e4a8d917cd919bf30a03d3f31183df721ee2fcf218d
Creator	0x90a52de441db8098fdf383de2ffd8426ffb303cd





# VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed



# THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

## High Risk

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Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

## Medium Risk

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Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

## Low Risk

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Issues on this level are minor details and warning that can remain unfixed.

## Informational

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Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.





# FOUND THREATS

## High Risk

No high risk-level threats found in this contract.

## Medium Risk

No medium risk-level threats found in this contract.

## Low Risk

No low risk-level threats found in this contract.



## Informational

Owner can exclude address from dividends.

Addresses excluded from dividends won't receive reward token.

```
function excludeFromDividends(address account) external onlyOwner {
    require(!excludedFromDividends[account]);
    excludedFromDividends[account] = true;

    _setBalance(account, 0);
    tokenHoldersMap.remove(account);

    emit ExcludeFromDividends(account);
}
```

Owner can withdraw any tokens from the contract, except the native LOTSO token. When this function is present, in cases tokens sent into the contract by mistake or purposefully, contract's owner can retrieve them.

```
function claimStuckTokens(address token) external onlyOwner {
    require(token != address(this), "Owner cannot claim native tokens");
    if (token == address(0x0)) {
        payable(msg.sender).transfer(address(this).balance);
        return;
    }
    IERC20Core ERC20token = IERC20Core(token);
    uint256 balance = ERC20token.balanceOf(address(this));
    ERC20token.transfer(msg.sender, balance);
}
```

Owner can exclude address from fees.

When address is excluded from fees, the user will receive the whole amount of the bought, sold and/or transferred tokens.

```
function excludeFromFees(address account, bool excluded) external onlyOwner {
    require(!_isExcludedFromFees[account] != excluded, "Account is already set to that state");
    _isExcludedFromFees[account] = excluded;

    emit ExcludeFromFees(account, excluded);
}
```



## Informational

Owner can set buy/sell/transfer fees up to 25% combined.

```
function updateFees(
    uint256 _liquidityFeeOnBuy,
    uint256 _burnFeeOnBuy,
    uint256 _marketingFeeOnBuy,
    uint256 _rewardsFeeOnBuy,
    uint256 _liquidityFeeOnSell,
    uint256 _burnFeeOnSell,
    uint256 _marketingFeeOnSell,
    uint256 _rewardsFeeOnSell,
    uint256 _liquidityFeeOnTransfer,
    uint256 _marketingFeeOnTransfer,
    uint256 _rewardsFeeOnTransfer
) external onlyOwner {
    liquidityFeeOnBuy = _liquidityFeeOnBuy;
    marketingFeeOnBuy = _marketingFeeOnBuy;
    rewardsFeeOnBuy = _rewardsFeeOnBuy;
    burnFeeOnBuy = _burnFeeOnBuy;

    totalBuyFee = _liquidityFeeOnBuy + _marketingFeeOnBuy + _rewardsFeeOnBuy + _burnFeeOnBuy;

    liquidityFeeOnSell = _liquidityFeeOnSell;
    marketingFeeOnSell = _marketingFeeOnSell;
    rewardsFeeOnSell = _rewardsFeeOnSell;
    burnFeeOnSell = _burnFeeOnSell;

    totalSellFee = _liquidityFeeOnSell + _marketingFeeOnSell + _rewardsFeeOnSell + _burnFeeOnSell;

    liquidityFeeOnTransfer = _liquidityFeeOnTransfer;
    marketingFeeOnTransfer = _marketingFeeOnTransfer;
    rewardsFeeOnTransfer = _rewardsFeeOnTransfer;

    totalTransferFee = _liquidityFeeOnTransfer + _marketingFeeOnTransfer + _rewardsFeeOnTransfer;

    require((totalBuyFee + totalSellFee + totalTransferFee) <= 25, "Buy fee cannot be more than 25%");

    emit FeesUpdated(totalBuyFee, totalSellFee, totalTransferFee);
}
```



RECOMMENDATIONS FOR

# GOOD PRACTICES

---

1

Consider fundamental tradeoffs

2

Be attentive to blockchain properties

3

Ensure careful rollouts

4

Keep contracts simple

5

Stay up to date and track development

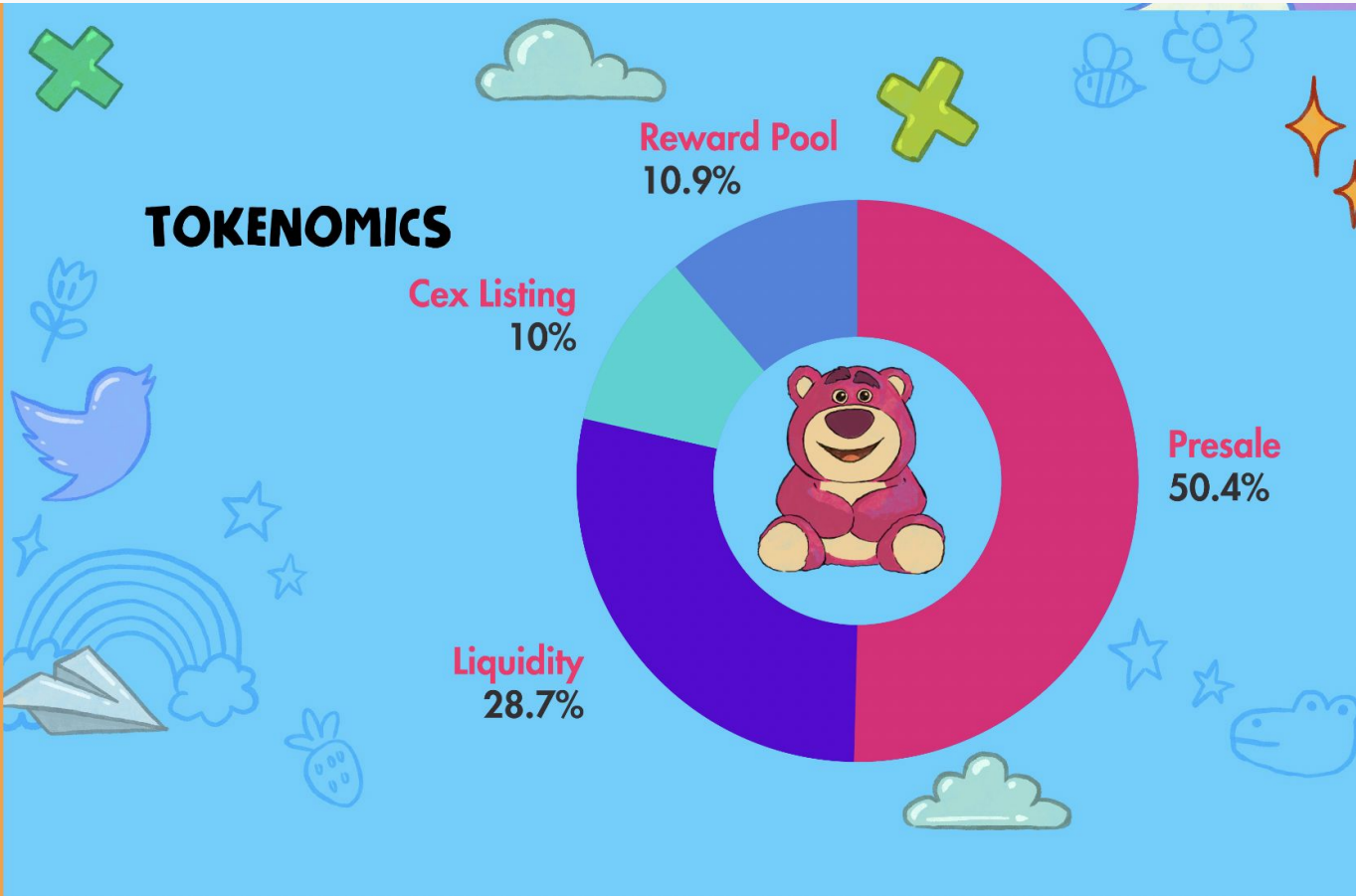
## LOTSO INU

### GOOD PRACTICES FOUND

- ✓ The owner cannot mint new tokens after deployment
- ✓ The owner cannot stop or pause the contract
- ✓ The owner cannot set a transaction limit
- ✓ The smart contract utilizes "SafeMath" to prevent overflows



The following tokenomics are based on the project's whitepaper and/or website:



TOKENOMICS



# THE TEAM

! The team is anonymous

## KYC INFORMATION

! No KYC

We recommend the team to get a KYC in order to ensure trust and transparency within the community.







# WEBSITE

## Website URL

<https://www.lotsoinu.io/>

## Domain Registry

NameCheap, Inc.

## Domain Expiration

2024-04-28

## Technical SEO Test

Passed

## Security Test

Passed. SSL certificate present

## Design

Design is nice and colorful.

## Content

Contest is embedded within images. Not a good way to present it. Especially for mobile.

## Whitepaper

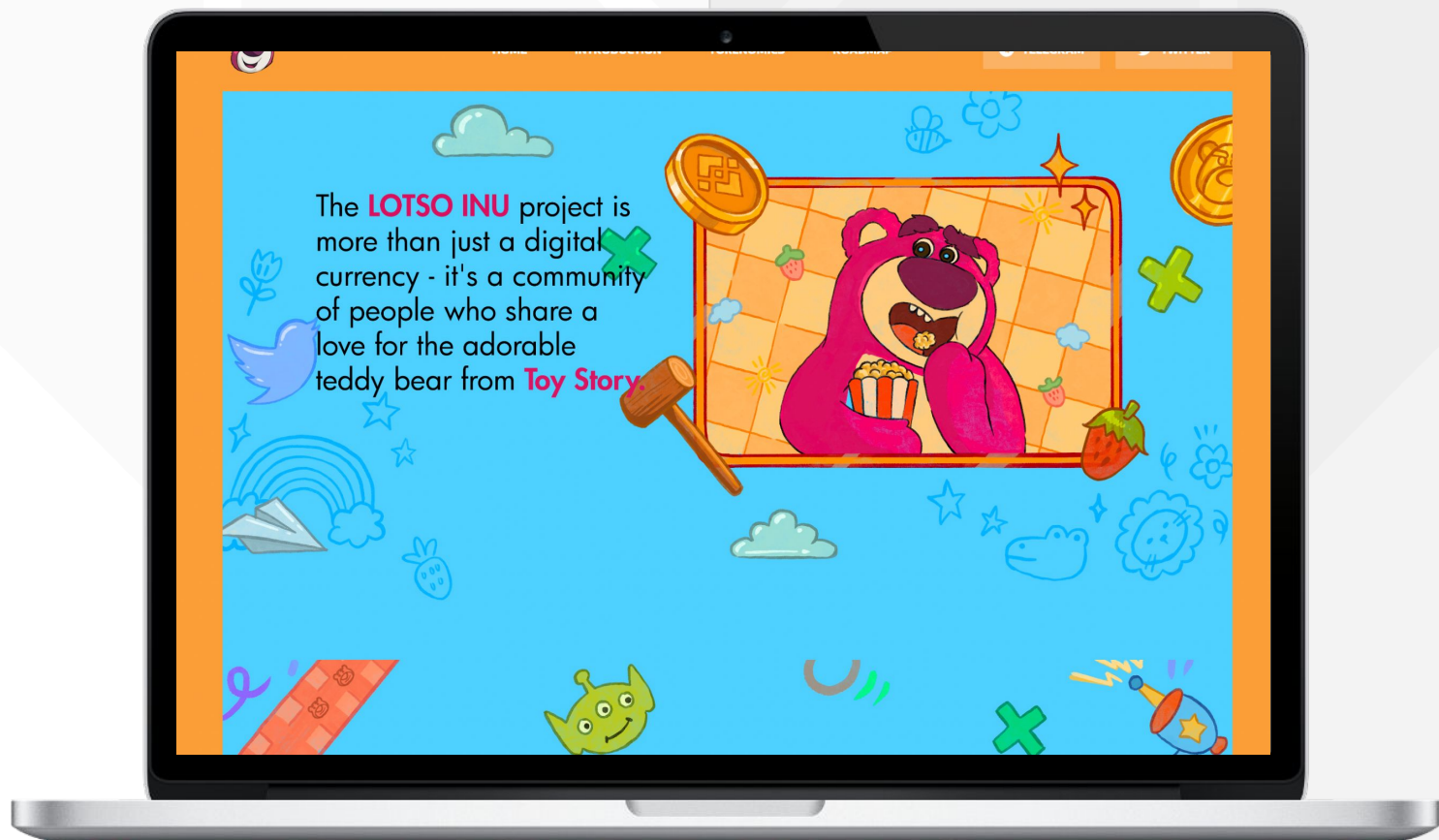
No website available

## Roadmap

Yes

## Mobile-friendly?

No



[www.lotsoinu.io](https://www.lotsoinu.io)



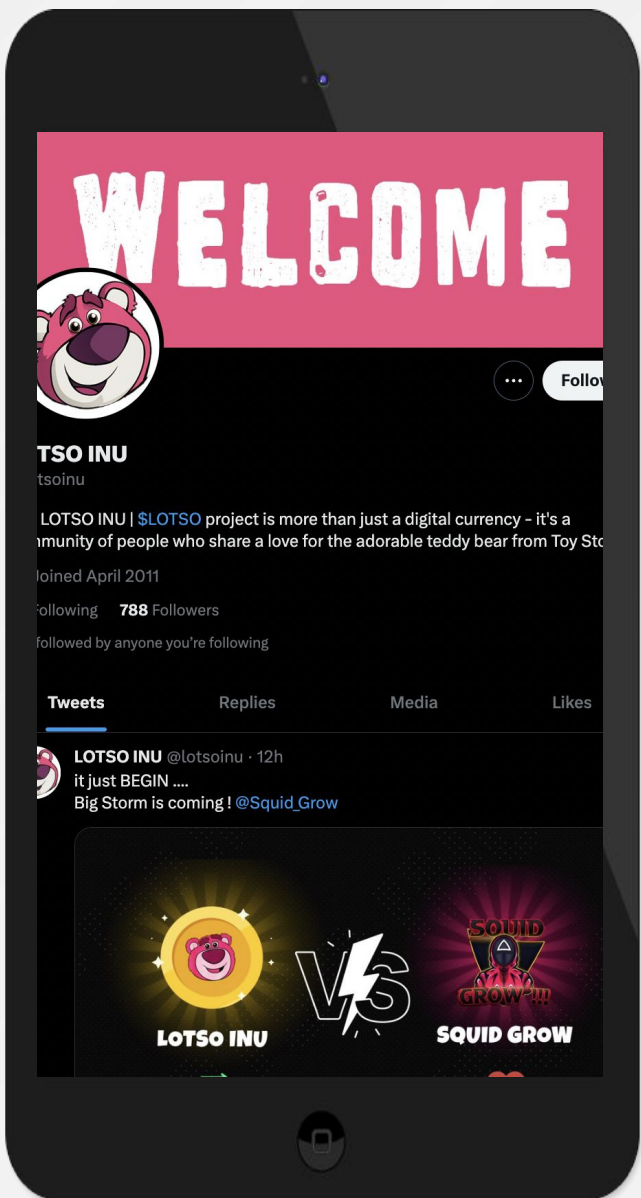
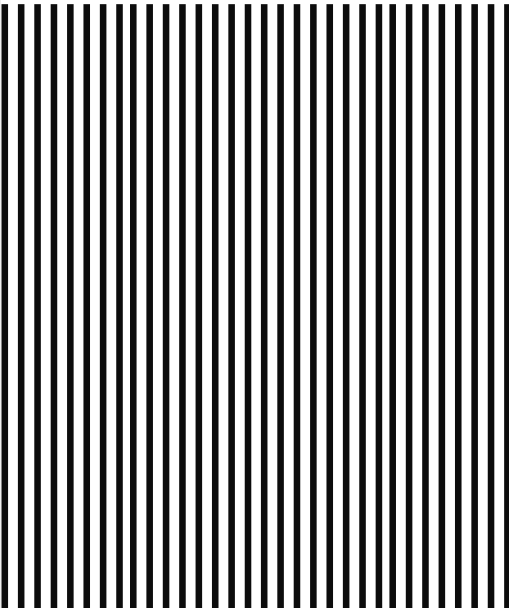


# SOCIAL MEDIA & ONLINE PRESENCE



## ANALYSIS

Project's social media pages  
are new



**Twitter**  
@lotsoinu

- 785 followers
- 4 total posts
- New account



**Discord**

- Not available



**Telegram**  
@lotsoinuglobal

- 4 577 members
- Few active members
- Active mods



**Medium**

- Not available



# SPYWOLF

## CRYPTO SECURITY

Audits | KYCs | dApps  
Contract Development

# ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

- ✓ OVER 500 SUCCESSFUL CLIENTS
- ✓ MORE THAN 500 SCAMS EXPOSED
- ✓ MILLIONS SAVED IN POTENTIAL FRAUD
- ✓ PARTNERSHIPS WITH TOP LAUNCHPADS, INFLUENCERS AND CRYPTO PROJECTS
- ✓ CONSTANTLY BUILDING TOOLS TO HELP INVESTORS DO BETTER RESEARCH

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# Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.